

FIG.1

FIG.2 (A)

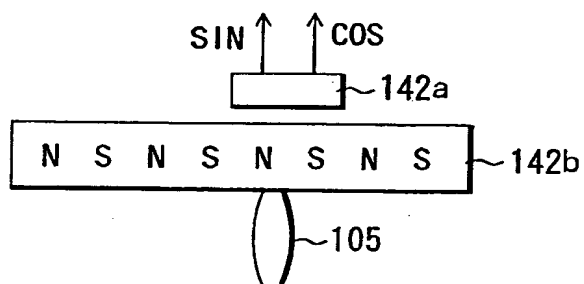


FIG.2 (B)

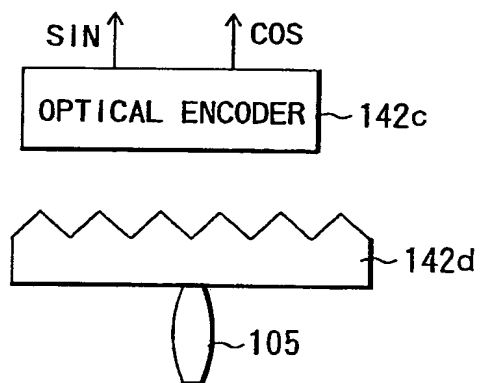


FIG.3

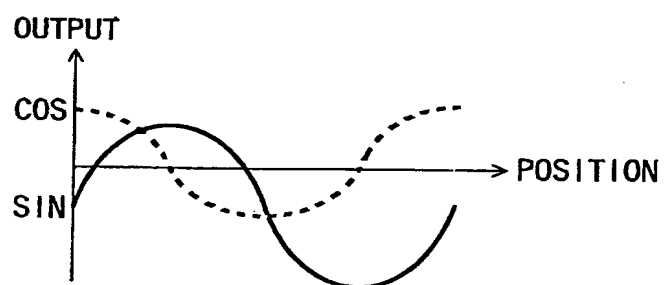


FIG.4

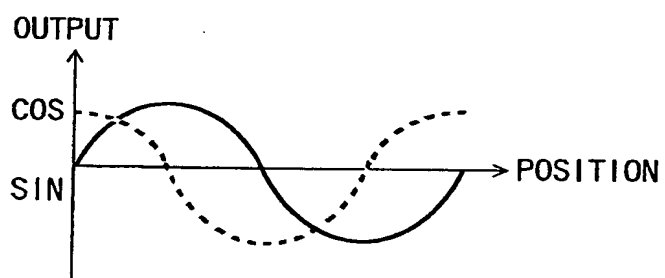


FIG.5

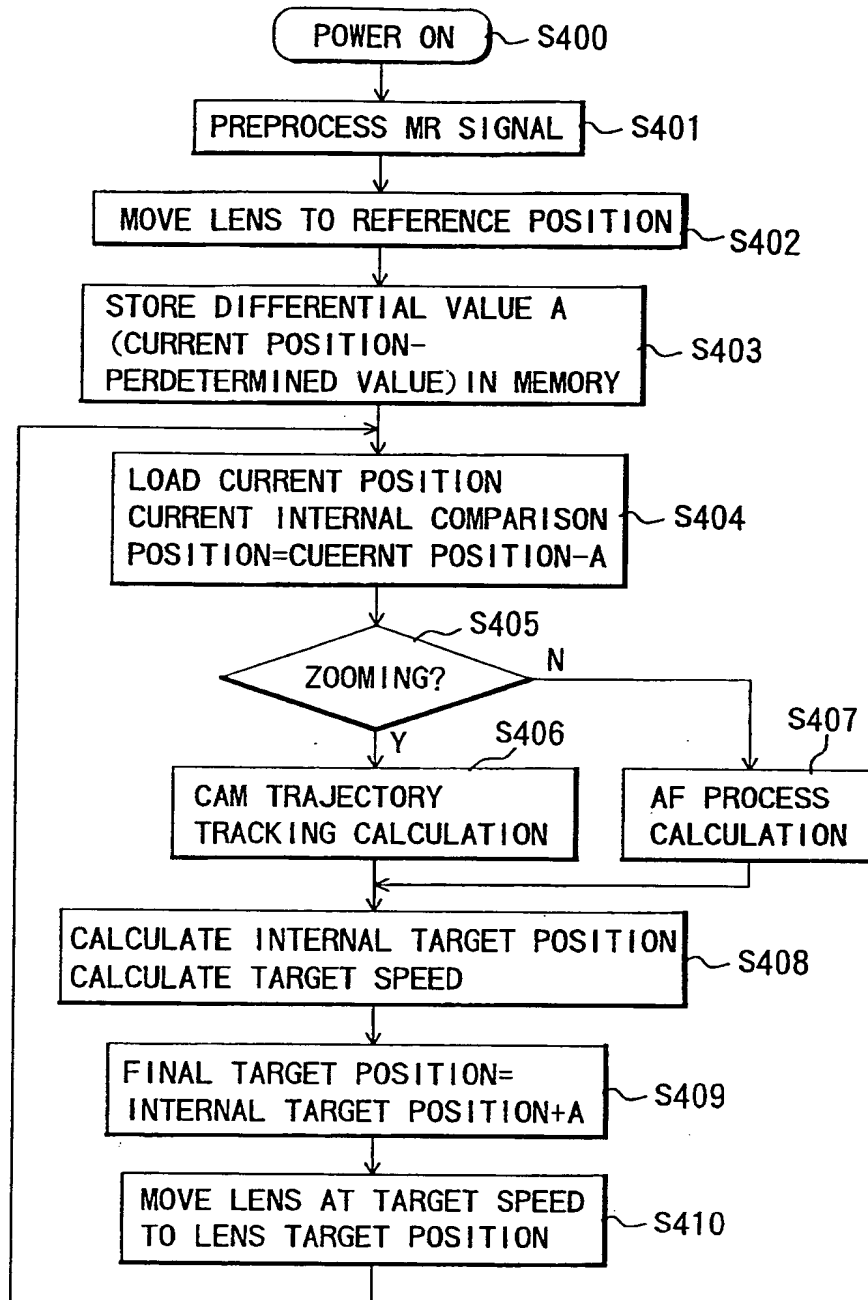


FIG.6

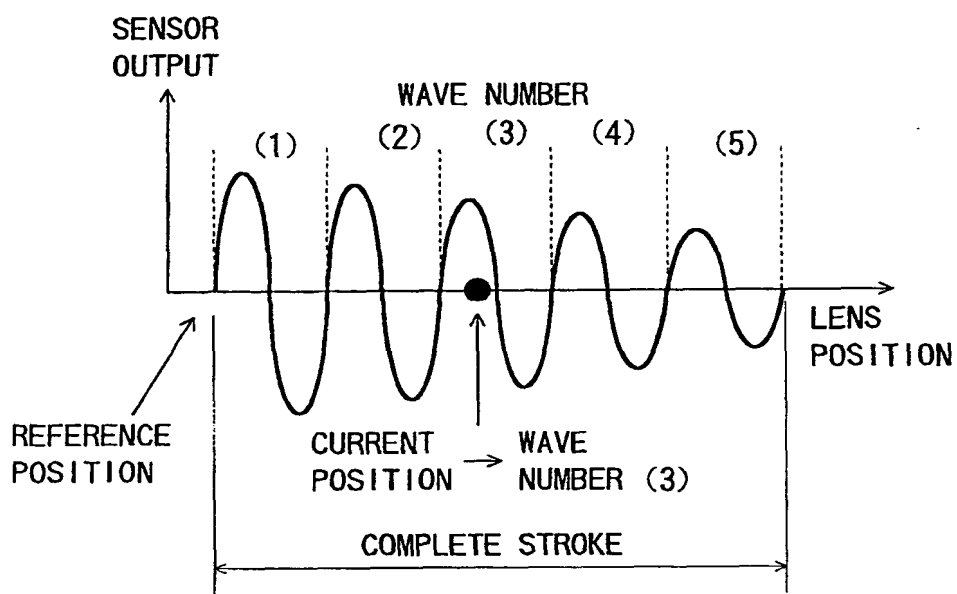


FIG.7 (A)

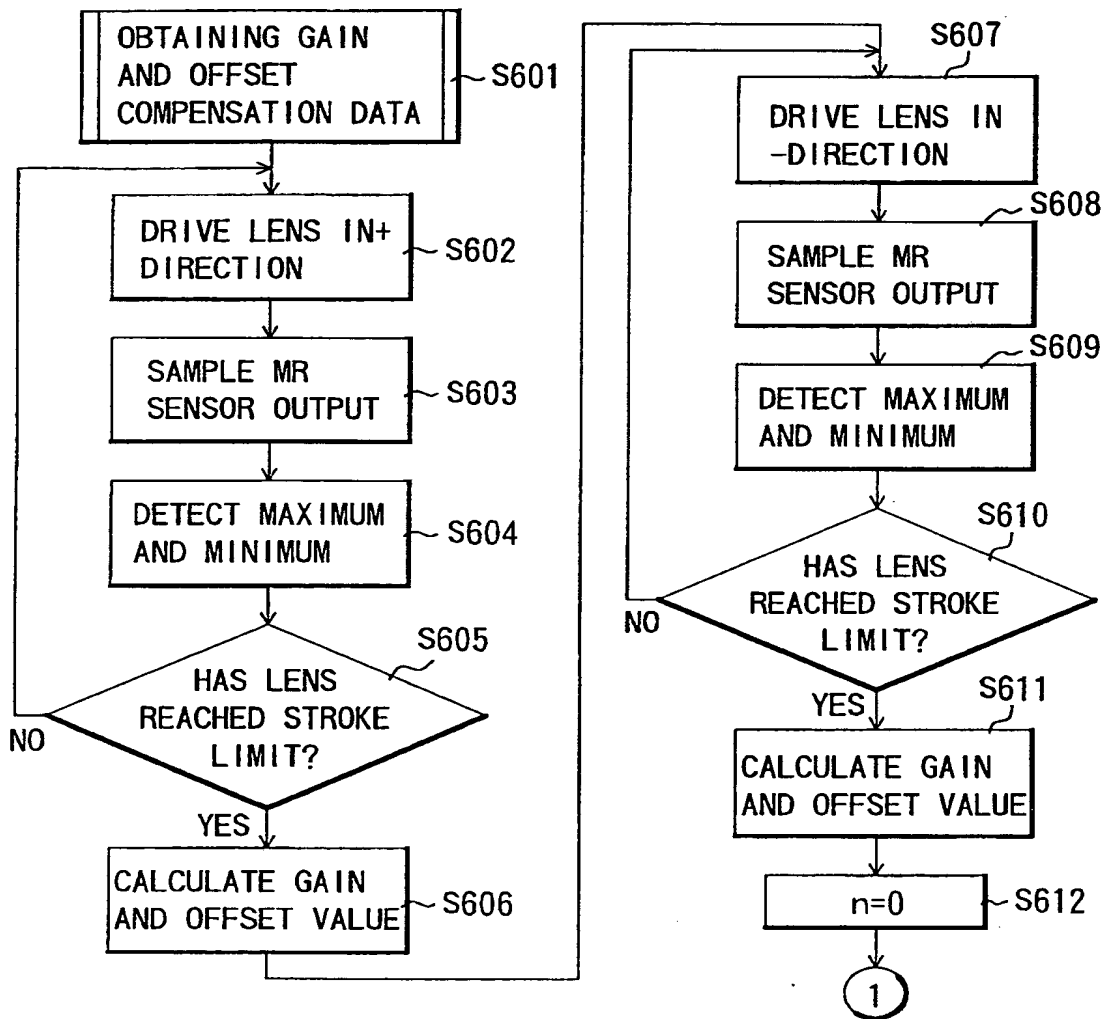


FIG.7 (B)

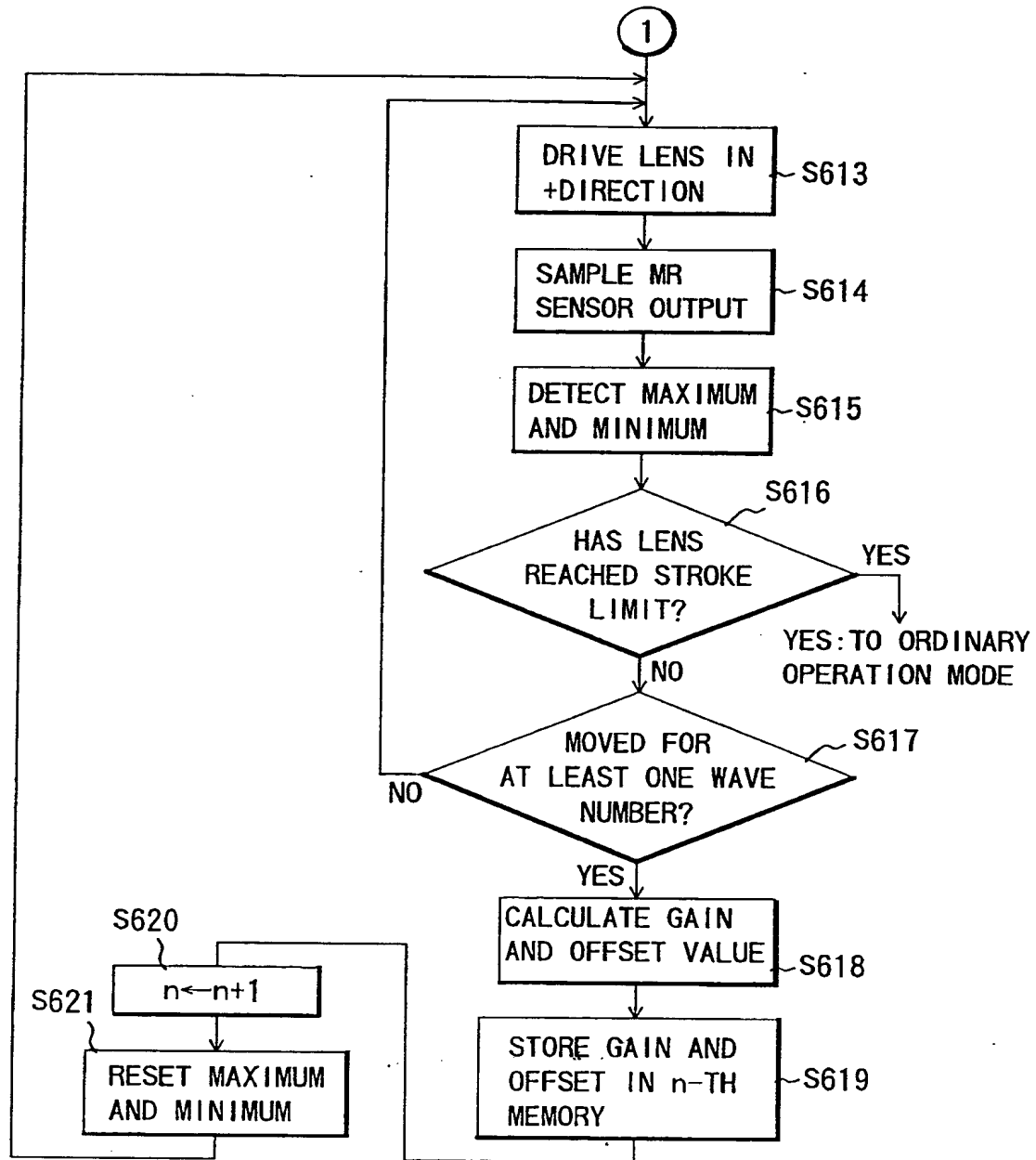


FIG.8

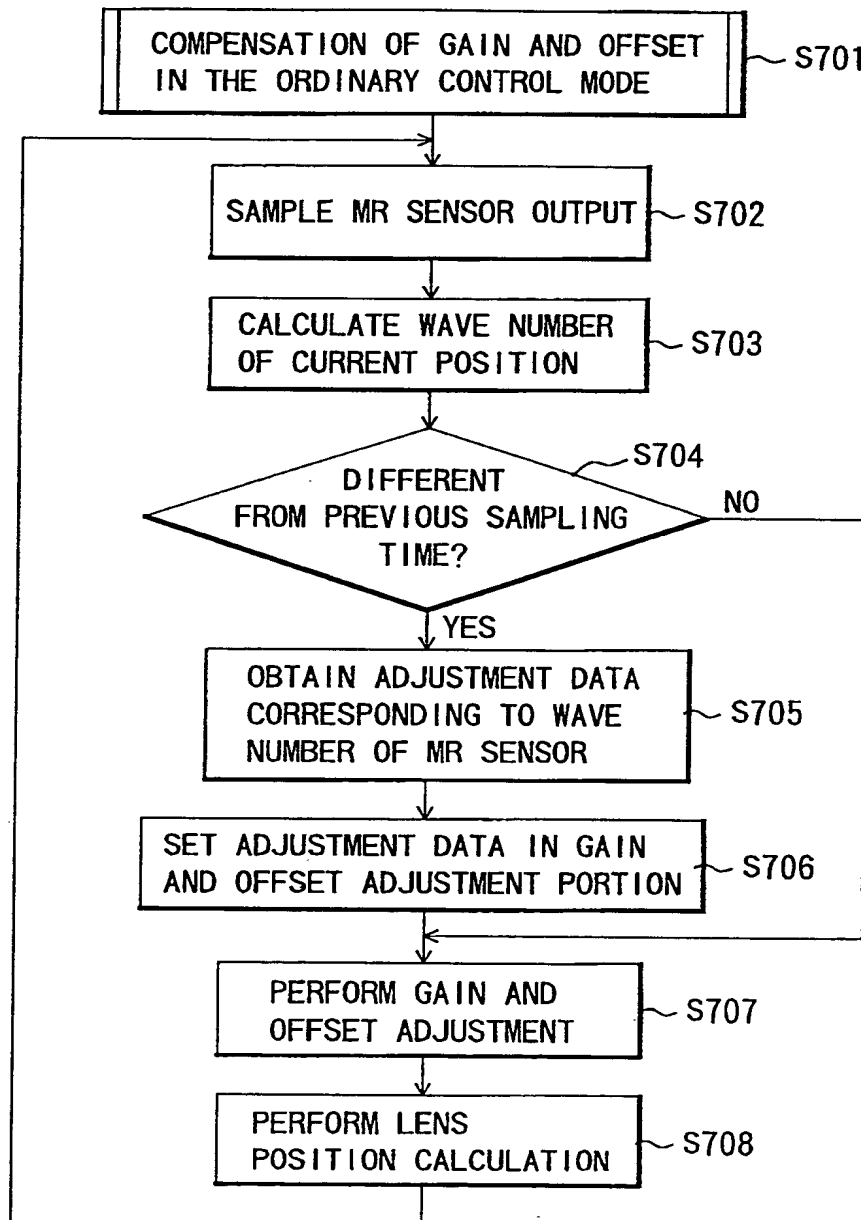




FIG.9 (PRIOR ART)

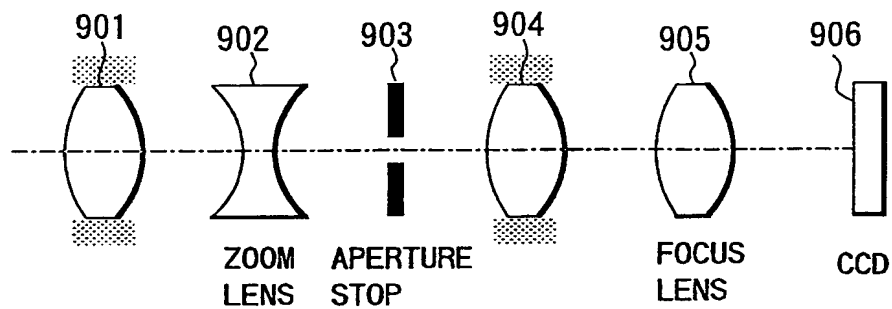


FIG.10 (PRIOR ART)

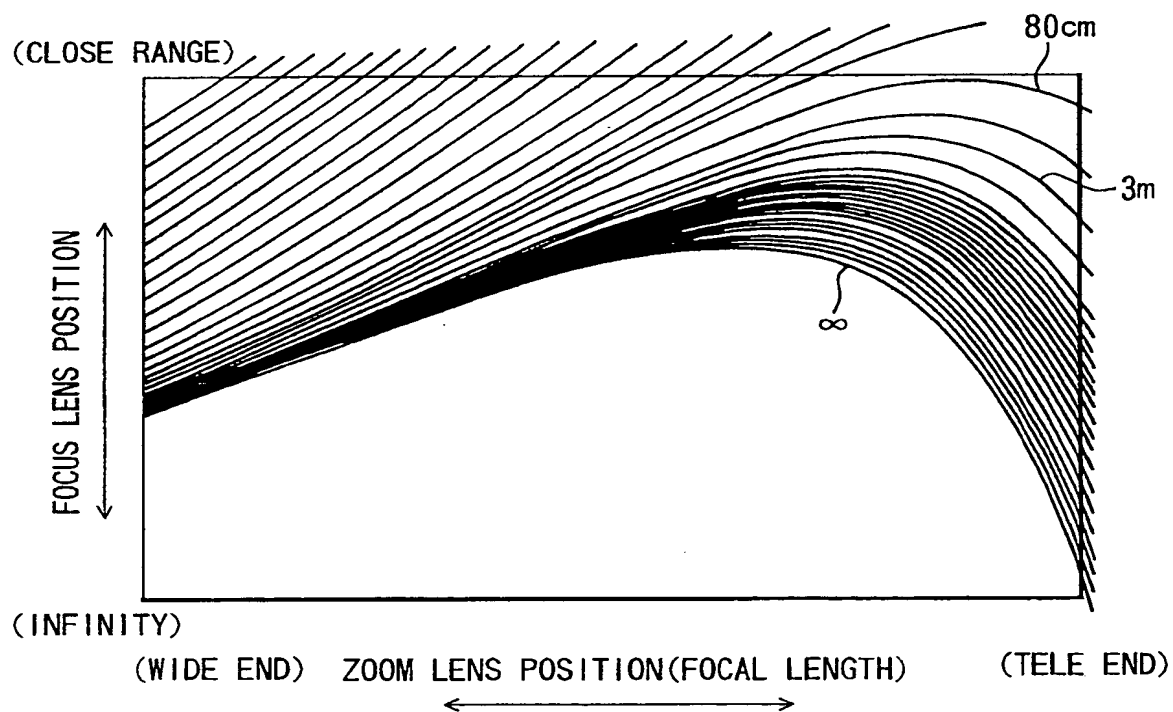


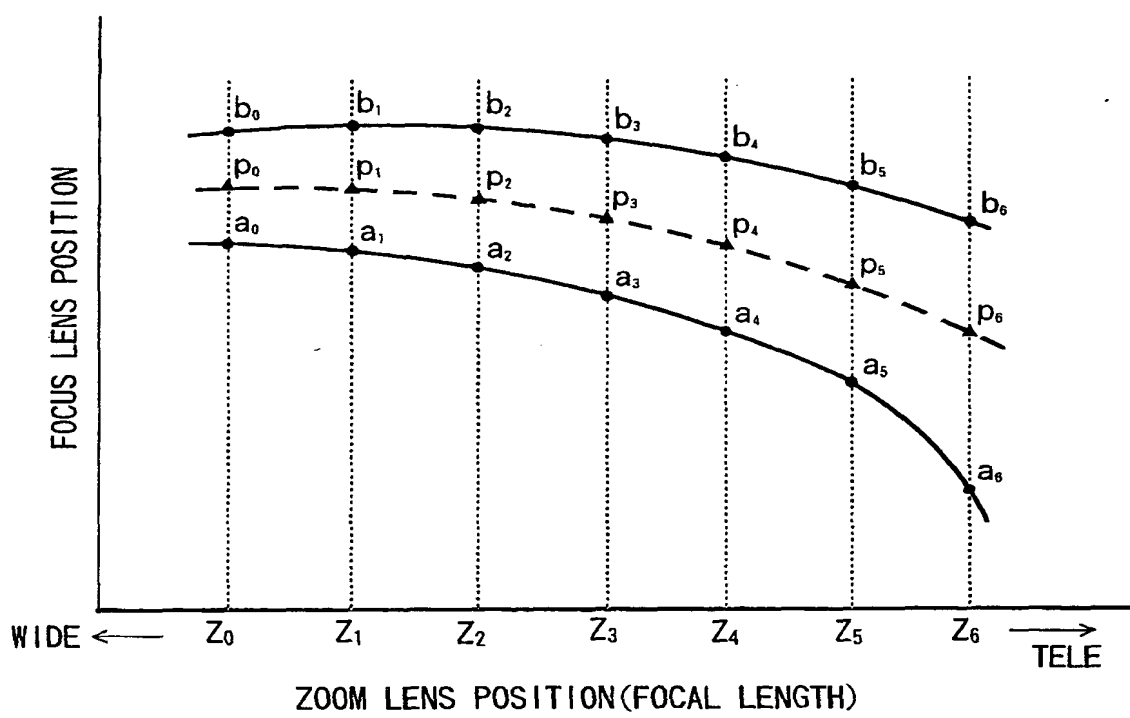
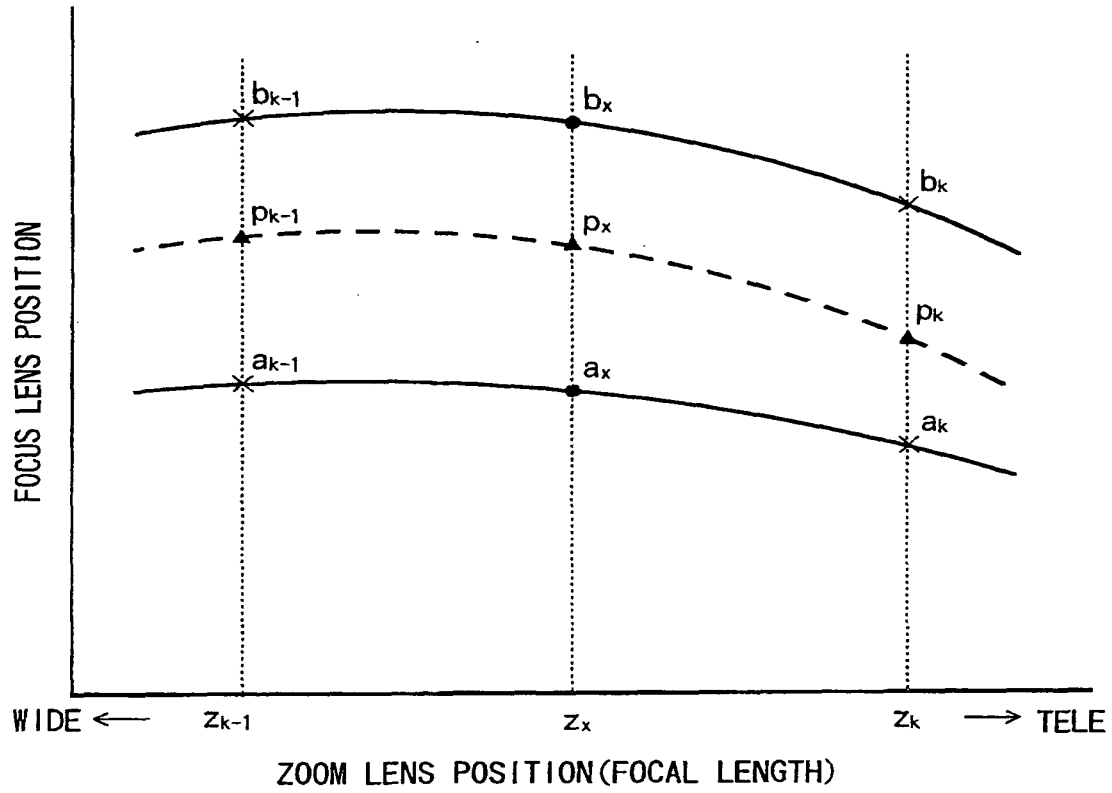
FIG.11  
(PRIOR ART)

FIG.12  
(PRIOR ART)



$$a_x = a_k - \frac{(z_k - z_x)(a_k - a_{k-1})}{(z_k - z_{k-1})}$$

$$b_x = b_k - \frac{(z_k - z_x)(b_k - b_{k-1})}{(z_k - z_{k-1})}$$

FIG.13  
(PRIOR ART)

FOCUS LENS POSITION  $A(n, v)$

$\infty \leftarrow \rightarrow$  CLOSE RANGE

WIDE

ZOOM LENS POSITION  $\updownarrow$

TELE

$\begin{smallmatrix} n \\ v \end{smallmatrix}$	0	1	2	3	----	k	----	m
0	A00	A10	A20	A30	----	Ak0	----	Am0
1	A01	A11	A21	A31	----	Ak1	----	Am1
2	A02	A12	A22	A32	----	Ak2	----	Am2
3	A03	A13	A23	A33	----	Ak3	----	Am3
$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$		$\vdots$		$\vdots$
k	A0k	A1k	A2k	A3k	----	Akk	----	Amk
$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$		$\vdots$		$\vdots$
s	A0s	A1s	A2s	A3s	----	Aks	----	Ams

FIG.14 (PRIOR ART)

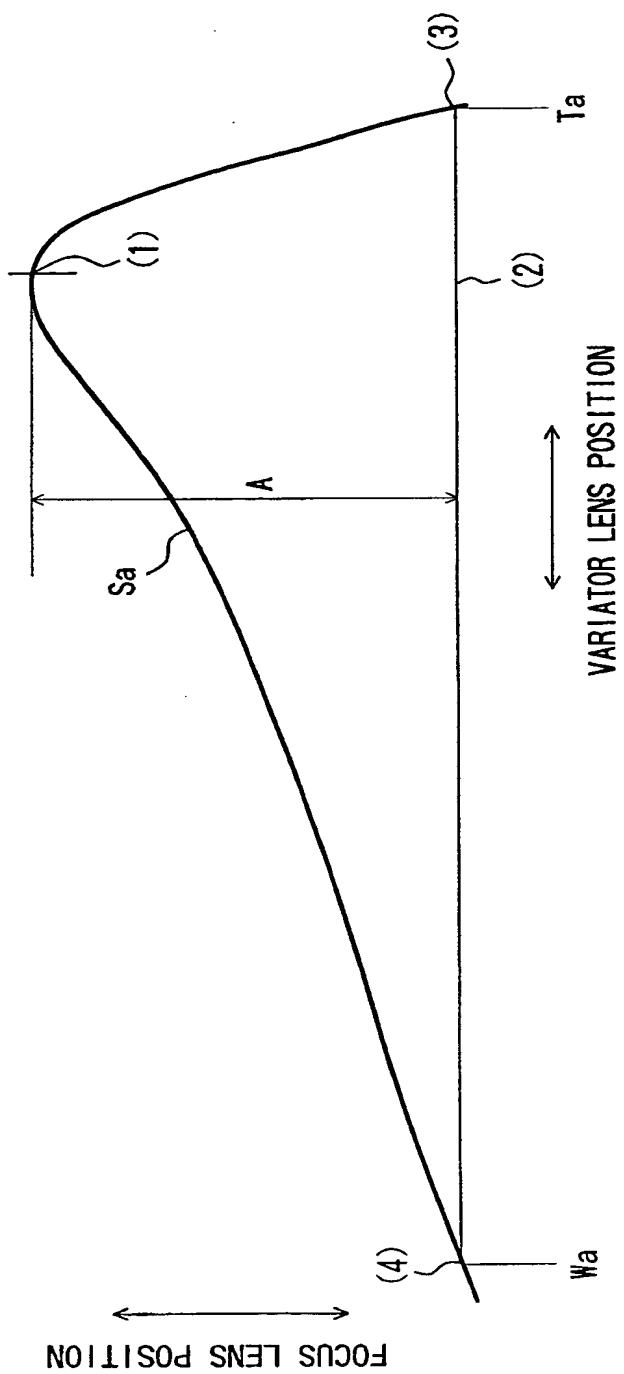


FIG.15  
(PRIOR ART)